

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-15. (Canceled).

16. (Currently amended): A folding electric device comprising:

an upper unit;

a lower unit;

a connecting member that electrically connects said upper unit to said lower unit; and

a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and

a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit,

wherein said upper unit comprises:

a first engagement portion having said perpendicular opening and closing shaft inserted therein; and

a second engagement portion having said connecting member arranged therein, ~~further comprising: wherein~~

~~first and second brackets which are fixed to the horizontal rotation shaft, wherein the first brackets supports the perpendicular opening and closing shaft, and~~

the second bracket has the said connecting member is inserted therein into said second engagement portion but not into said first engagement portion.

17. (Previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

18. (Previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is located between said first and second engagement portions.

19. (Previously presented): The folding electric device as claimed in claim 16, wherein said first engagement portion and second engagement portion are formed separately from each other.

20. (Canceled).

21. (Previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is wound around said horizontal rotation shaft.

22. (Previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is a winding flexible board.

23. (Previously presented): The folding electric device as claimed in claim 22, further comprising an operation input section, mounted on said hinge and electrically connected to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

24. (Previously presented): The folding electric device as claimed in claim 16, wherein said folding electric device is a folding mobile phone.

25. (Previously presented): The folding electric device as claimed in claim 16, further comprising a display arranged on said upper unit.

26. (Previously presented): The folding electric device as claimed in claim 16, further comprising input keys arranged on said lower unit.

27-33. (Canceled).

34. (Previously presented): The folding electric device as claimed in claim 22, further comprising a bobbin, arranged between said horizontal rotation shaft and said base, for winding said winding flexible board around said horizontal rotation shaft.

35. (Previously presented): The folding electric device as claimed in claim 22, further comprising flexible board fixing member for fixing said flexible board to said hinge.

36-39. (Canceled).

40. (Currently amended): ~~The A~~ folding electric device as ~~claimed in claim 16, wherein~~
comprising:

an upper unit;

a lower unit;

a connecting member that electrically connects said upper unit to said lower unit; and

a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

a perpendicular opening and closing shaft to perpendicularly open and close said upper
unit with respect to said lower unit; and

a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper
unit with respect to said lower unit,

wherein said upper unit comprises:

a first engagement portion having said perpendicular opening and closing shaft inserted
therein; and

a second engagement portion having said connecting member arranged therein, further
comprising:

first and second brackets which are fixed to the horizontal rotation shaft, wherein

the first bracket supports the perpendicular opening and closing shaft, and

a part of the second bracket engages with the second engagement portion.

41. (Previously presented): A folding electric device comprising:

- an upper unit;
- a lower unit;
- a connecting member that electrically connects said upper unit to said lower unit; and
- a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

- a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and
- a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit,

wherein said upper unit comprises:

- a first engagement portion having said perpendicular opening and closing shaft inserted therein,

wherein the connecting member is wound in a space on an extension line of one end side of the perpendicular opening and closing shaft.

42. (Previously presented): The folding electric device as claimed in claim 41, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

43. (Previously presented): The folding electric device as claimed in claim 41, wherein said horizontal rotation shaft is located between said first and second engagement portions.

44. (Previously presented): The folding electric device as claimed in claim 41, wherein said first engagement portion and second engagement portion are formed separately from each other.

45. (Previously presented): The folding electric device as claimed in claim 41, wherein said connecting member is wound around said horizontal rotation shaft.

46. (Previously presented): The folding electric device as claimed in claim 41, wherein said connecting member is a winding flexible board.

47. (Previously presented): The folding electric device as claimed in claim 46, further comprising an operation input section, mounted on said hinge and electrically connected to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

48. (Previously presented): The folding electric device as claimed in claim 41, wherein said folding electric device is a folding mobile phone.

49. (Previously presented): The folding electric device as claimed in claim 41, further comprising a display arranged on said upper unit.

50. (Previously presented): The folding electric device as claimed in claim 41, further comprising input keys arranged on said lower unit.

51. (Previously presented): The folding electric device as claimed in claim 46, further comprising a bobbin, arranged between said horizontal rotation shaft and said base, for winding said winding flexible board around said horizontal rotation shaft.

52. (Previously presented): The folding electric device as claimed in claim 46, further comprising flexible board fixing member for fixing said flexible board to said hinge.